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September 27, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of August 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	August 2018
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 160,096,717
	MWH sales:	
2	Total System Sales	6,819,616
3	Less intersystem sales	619,139
4	Total sales less intersystem sales	6,200,477
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.5820
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.7212
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	931,675
8	Oil	4,372
9	Natural Gas - Combustion Turbine	541,990
10	Natural Gas - Combined Cycle	1,863,117
11	Biogas	366
12	Total Fossil	3,341,520
13	Nuclear	2,659,348
14	Hydro - Conventional	60,846
15	Solar Distributed Generation	23,317
16	Total MWH generation	6,085,031

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		August 2018
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	34,628,006
0501310 fuel oil consumed - steam		805,006
Total Steam Generation - Account 501		35,433,012
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		18,004,976
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		24,579,299
0547000 natural gas capacity - Combustion Turbine		2,655,308
0547000 natural gas consumed - Combined Cycle		34,015,597
0547000 natural gas capacity - Combined Cycle		8,274,788
0547106 biogas consumed - Combined Cycle		21,513
0547200 fuel oil consumed		77,556
Total Other Generation - Account 547		69,624,061
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		46,189,418
Fuel and fuel-related component of DERP purchases		122,232
PURPA purchased power capacity		9,360,396
DERP purchased power capacity		36,667
Total Purchased Power and Net Interchange - Account 555		55,708,713
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		20,740,805
Total Costs Included in Base Fuel Component	$	158,029,958
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	2,002
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		2,089,366
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		1,563
Less emissions expense recovered through intersystem sales - Account 447		23,045
Total Costs Included in Environmental Component		2,066,760
Fuel and Fuel-related Costs excluding DERP incremental costs	$	160,096,717
DERP Incremental Costs		235,160
Total Fuel and Fuel-related Costs	$	160,331,877

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

AUGUST 2018

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 22,964,757	$ 11,388,431	292,753	$ 11,576,326	-
City of Fayetteville	3,046,732	3,022,250	565	24,482	-
Haywood EMC	29,050	29,050	-	-	-
NCEMC	7,487,342	5,801,229	41,876	1,686,113	-
PJM Interconnection, LLC.	(82,861)	-	1,221	(82,861)	-
Southern Company Services	5,185,461	1,687,140	108,568	3,498,321	-
DE Carolinas - Native Load Transfer	2,453,462	-	81,045	2,453,462	-
DE Carolinas - Native Load Transfer Benefit	410,967	-	-	410,967	-
Energy Imbalance	55,270		1,514	53,248	$ 2,022
Generation Imbalance	2,013		78	1,228	785
	$ 41,552,193	**$ 21,928,100**	**527,620**	**$ 19,621,286**	**$ 2,807**
Act 236 PURPA Purchases					
Renewable Energy	$ 22,500,731	$ -	310,115	$ 22,500,731	$ -
DERP Qualifying Facilities	158,899	-	2,765	158,899	-
Other Qualifying Facilities	13,427,797	-	191,095	13,427,797	-
	$ 36,087,427	**$ -**	**503,975**	**$ 36,087,427**	**$ -**
Total Purchased Power	**$ 77,639,620**	**$ 21,928,100**	**1,031,595**	**$ 55,708,713**	**$ 2,807**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

AUGUST 2018

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 958,668	$ 652,500	9,044	$ 304,082	$ 2,086
PJM Interconnection, LLC.	1,807	-	-	-	1,807
Other:					
DE Carolinas - Native Load Transfer Benefit	1,780,619	-	-	1,780,619	-
DE Carolinas - Native Load Transfer	19,868,034	-	610,059	18,680,178	1,187,856
Generation Imbalance	649	-	36	533	116
Total Intersystem Sales	**$ 22,609,777**	**$ 652,500**	**619,139**	**$ 20,765,412**	**$ 1,191,865**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
August 2018

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					6,200,477,072
2	DERP Net Metered kWh generation	Input					1,878,670
3	Adjusted System kWh sales	L1 + L2					6,202,355,742
4	Actual S.C. Retail kWh sales	Input	205,859,617	31,253,114	377,783,687	6,850,282	621,746,700
5	DERP Net Metered kWh generation	Input	678,751	27,658	1,172,261		1,878,670
6	Adjusted S.C. Retail kWh sales	L4 + L5	206,538,368	31,280,772	378,955,948	6,850,282	623,625,370
7	Actual S.C. Demand units (kw)	L32 / 31b *100			805,885		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$137,580,568
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$75,147
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$137,655,715
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.219
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,583,933	$694,249	$8,410,587	$152,036	$13,840,805
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($44,422)	($4,104)	($26,621)	$0	($75,147)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,539,511	$690,145	$8,383,966	$152,036	$13,765,658
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.361	2.361	2.361	2.361	2.361
	Rate Changes:						
	15a New approved rates	Input	2.366	2.366	2.366	2.366	
	15b Ratios of days to rate	Input	96.55%	96.55%	96.55%	96.55%	
	15c Prior approved rates	Input	2.210	2.210	2.210	2.210	
	15d Ratio of days to rate	Input	3.45%	3.45%	3.45%	3.45%	
	15e Total prorated ¢/KWH	(L15a*L15b) + (L15c * L15d)	2.361	2.361	2.361	2.361	2.361
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,860,371	$737,766	$8,918,018	$161,709	$14,677,864
17	DERP NEM incentive - fuel component	Input	($9,539)	($881)	($5,717)	$0	($16,137)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,850,832	$736,885	$8,912,301	$161,709	$14,661,727
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($311,321)	($46,740)	($528,335)	($9,673)	($896,069)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($311,321)	($46,740)	($528,335)	($9,673)	($896,069)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.584	0.356			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			89		
23	Incurred S.C. base fuel - capacity expense	Input	$1,202,732	$111,108	$720,769		$2,034,609
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.669	0.424			
	Rate Changes:						
	24a.1 New approved rates	Input	0.676	0.426			
	24a.2 Ratios of days to rate	Input	96.55%	96.55%			
	24a.3 Prior approved rates	Input	0.471	0.371			
	24a.4 Ratio of days to rate	Input	3.45%	3.45%			
	24a.5 Total prorated ¢/KWH	(L24a.1*L24a.2) + (L24a.3 * L24a.4)	0.669	0.424			
24b	Billed base fuel - capacity rate (¢/kW)	Input			88		
	Rate Changes:						
	24b.1 New approved rates	Input			88		
	24b.2 Ratios of days to rate	Input			96.55%		
	24b.3 Prior approved rates	Input			96		
	24b.4 Ratio of days to rate	Input			3.45%		
	24b.5 Total prorated ¢/KWH	(L24b.1*L24b.2) + (L24b.3 * L24b.4)			88		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,377,019	$132,545	$ 673,198	$0	$2,182,762
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($174,287)	($21,437)	$47,571	$0	($148,153)
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($174,287)	($21,437)	$47,571	$0	($148,153)

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.060	0.036			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			9		
30	Incurred S.C. environmental expense	Input	$122,509	11,317	$73,416		$207,242
31a	Billed environmental rates by class (¢/kWh)	Input	0.020	0.009			
	Rate Changes:						
	31a.1 New approved rates	Input	0.019	0.008			
	31a.2 Ratios of days to rate	Input	96.55%	96.55%			
	31a.3 Prior approved rates	Input	0.035	0.024			
	31a.4 Ratio of days to rate	Input	3.45%	3.45%			
	31a.5 Total prorated ¢/KWH	(L31a.1*L31a.2) + (L31a.3 * L31a.4)	0.020	0.009			
31b	Billed environmental rate (¢/kW)	Input			1		
	Rate Changes:						
	31b.1 New approved rates	Input			1		
	31b.2 Ratios of days to rate	Input			96.55%		
	31b.3 Prior approved rates	Input			7		
	31b.4 Ratio of days to rate	Input			3.45%		
	31b.5 Total prorated ¢/KWH	(L31b.1*L31b.2) + (L31b.3 * L31b.4)			1		
32	Billed S.C. environmental revenue	L31a * L4 /100	$39,953	$2,673	$ 9,728		$52,354
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$82,556	$8,644	$63,688	$0	$154,888
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$82,556	$8,644	$63,688	$0	$154,888
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.005	0.003			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.700		
37	Incurred S.C. DERP avoided cost expense	Input	$9,419	$870	$5,644		$15,933
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.003	0.001			
	Rate Changes:						
	38a.1 New approved rates	Input	0.003	0.001			
	38a.2 Ratios of days to rate	Input	96.55%	96.55%			
	38a.3 Prior approved rates	Input	0.000	0.000			
	38a.4 Ratio of days to rate	Input	3.45%	3.45%			
	38a.5 Total prorated ¢/KWH	(L38a.1*L38a.2) + (L38a.3 * L38a.4)	0.003	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,919	$302	$0		$6,221
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$3,500	$568	$5,644	$0	$9,712
41	Adjustment	Input	$0	$0	$0	$0	$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$3,500	$568	$5,644	$0	$9,712
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($399,552)	($58,965)	($411,432)	($9,673)	($879,622)

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$23,394,311					
March 2018 - actual	23,722,990	$105,966	$14,137	$203,204	$5,372	$328,679
April 2018 - actual	23,109,283	(170,943)	(23,111)	(411,945)	(7,708)	(613,707)
May 2018 - actual	23,830,373	191,924	30,025	488,780	10,361	721,090
June 2018 - actual	25,124,456	428,696	63,626	785,404	16,357	1,294,083
July 2018 - actual	24,946,572	(67,321)	(9,747)	(99,157)	(1,659)	(177,884)
August 2018 - actual	24,050,503	(311,321)	(46,740)	(528,335)	(9,673)	(896,069)
September 2018 - forecast	21,388,826	(909,961)	(117,476)	(1,596,522)	(37,718)	(2,661,677)
October 2018 - forecast	18,899,733	(715,791)	(119,102)	(1,615,939)	(38,261)	(2,489,093)
November 2018 - forecast	16,260,566	(803,886)	(123,448)	(1,671,900)	(39,933)	(2,639,167)
December 2018 - forecast	14,540,626	(635,215)	(73,042)	(988,099)	(23,584)	(1,719,940)
January 2019 - forecast	13,277,116	(518,187)	(50,413)	(678,800)	(16,110)	(1,263,510)
February 2019 - forecast	11,786,178	(591,122)	(60,932)	(819,402)	(19,482)	(1,490,938)
March 2019 - forecast	10,080,473	(640,346)	(72,454)	(969,806)	(23,099)	(1,705,705)
April 2019 - forecast	6,728,731	(1,078,503)	(154,785)	(2,069,414)	(49,040)	(3,351,742)
May 2019 - forecast\	4,667,885	(586,413)	(100,765)	(1,341,886)	(31,782)	(2,060,846)
June 2019 - forecast	$3,641,125	($323,178)	($48,081)	($640,395)	($15,106)	($1,026,760)

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$1,622,067					
March 2018 - actual	1,523,528	$79,187	($398)	($177,328)	$0	($98,539)
April 2018 - actual	2,089,902	479,717	34,630	52,027	0	566,374
May 2018 - actual	2,445,242	379,717	16,470	(40,847)	0	355,340
June 2018 - actual	2,666,876	217,876	(2,152)	5,910	0	221,634
July 2018 - actual	2,857,544	88,083	(5,454)	108,039	0	190,668
August 2018 - actual	2,709,391	(174,287)	(21,437)	47,571	0	(148,153)
September 2018 - forecast	2,308,288	(296,697)	(9,386)	(95,020)	0	(401,103)
October 2018 - forecast	2,475,069	117,099	1,068	48,614	0	166,781
November 2018 - forecast	2,465,146	13,359	(306)	(22,976)	0	(9,923)
December 2018 - forecast	1,955,258	(395,260)	(6,445)	(108,183)	0	(509,888)
January 2019 - forecast	1,222,474	(725,282)	(10,382)	2,880	0	(732,784)
February 2019 - forecast	656,204	(532,644)	(2,882)	(30,744)	0	(566,270)
March 2019 - forecast	555,093	(159,512)	19,024	39,377	0	(101,111)
April 2019 - forecast	839,831	155,198	21,331	108,209	0	284,738
May 2019 - forecast\	1,288,359	293,288	16,399	138,841	0	448,528
June 2019 - forecast	$1,309,543	$44,836	$7,845	($31,497)	$0	$21,184

Year 2018-2019

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	($616,504)					
March 2018 - actual	(648,397)	($9,388)	($802)	($21,703)	$0	($31,893)
April 2018 - actual	(646,907)	10,886	939	(10,335)	0	1,490
May 2018 - actual	(644,440)	13,284	519	(11,336)	0	2,467
June 2018 - actual	(578,713)	44,416	3,379	17,932	0	65,727
July 2018 - actual	(485,932)	52,174	4,953	35,654	0	92,781
August 2018 - actual	(331,044)	82,556	8,644	63,688	0	154,888
September 2018 - forecast	(303,229)	7,083	2,133	18,599	0	27,815
October 2018 - forecast	(302,157)	(5,656)	162	6,566	0	1,072
November 2018 - forecast	(306,590)	(8,836)	9	4,394	0	(4,433)
December 2018 - forecast	(258,962)	18,274	3,404	25,950	0	47,628
January 2019 - forecast	(2,270)	137,300	15,188	104,204	0	256,692
February 2019 - forecast	204,107	109,629	12,312	84,436	0	206,377
March 2019 - forecast	248,314	15,937	3,288	24,982	0	44,207
April 2019 - forecast	230,158	(18,315)	(579)	738	0	(18,156)
May 2019 - forecast\	223,309	(9,937)	(290)	3,378	0	(6,849)
June 2019 - forecast	$282,318	$27,797	$3,623	$27,589	$0	$59,009

Year 2018-2019

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2017	$2,713					
March 2018 - actual	7,033	$2,554	$236	$1,530	$0	$4,320
April 2018 - actual	14,508	4,419	408	2,648	0	7,475
May 2018 - actual	21,181	3,945	364	2,364	0	6,673
June 2018 - actual	23,496	1,368	127	820	0	2,315
July 2018 - actual	26,569	755	189	2,129	0	3,073
August 2018 - actual	36,281	3,500	568	5,644	0	9,712
September 2018 - forecast	36,789	(1,692)	(359)	2,559	0	508
October 2018 - forecast	39,157	(18)	(321)	2,707	0	2,368
November 2018 - forecast	41,243	(196)	(276)	2,558	0	2,086
December 2018 - forecast	41,543	(1,883)	(295)	2,478	0	300
January 2019 - forecast	40,179	(3,465)	(338)	2,439	0	(1,364)
February 2019 - forecast	39,788	(2,634)	(297)	2,540	0	(391)
March 2019 - forecast	40,121	(1,930)	(282)	2,545	0	333
April 2019 - forecast	41,833	(667)	(296)	2,675	0	1,712
May 2019 - forecast\	44,091	(15)	(316)	2,589	0	2,258
June 2019 - forecast	$45,064	($1,098)	($360)	$2,431	$0	$973

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
August 2018

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$139,012	$55,167	$40,981	$235,160
45	Billed S.C. DERP incremental rates by account ($/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	$103,985	$42,682	$27,675	$174,342
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	$35,027	$12,485	$13,306	$60,818
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$35,027	$12,485	$13,306	$60,818

Year 2018-2019

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2018	($451,744)	
March 2018 - actual	(544,531)	($92,787)
April 2018 - actual	(637,203)	(92,672)
May 2018 - actual	(710,836)	(73,633)
June 2018 - actual	(706,119)	4,717
July 2018 - actual	(664,358)	41,761
August 2018 - actual	(603,540)	60,818
September 2018 - forecast	(552,499)	51,041
October 2018 - forecast	(495,075)	57,424
November 2018 - forecast	(434,385)	60,690
December 2018 - forecast	(371,074)	63,311
January 2019 - forecast	(322,357)	48,717
February 2019 - forecast	(267,443)	54,914
March 2019 - forecast	(198,029)	69,414
April 2019 - forecast	(115,870)	82,159
May 2019 - forecast\	(25,905)	89,965
June 2019 - forecast	$72,444	$98,349

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$2,821,214	-	$21,297,448	$4,068,622
Oil	-	-	-	45,760	-	-	507,924	179,882
Gas - CC	-	17,709,847	12,817,351	-	-	-	-	-
Gas - CT	23	-	1,207,863	-	-	4,637,664	-	-
Biogas	-	-	-	-	-	-	-	-
Total	23	$17,709,847	$14,025,214	45,760	$2,821,214	$4,637,664	$21,805,372	$4,248,504
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	322.37	-	327.59	330.79
Oil	-	-	-	1,490.07	-	-	1,596.44	1,595.55
Gas - CC	-	370.50	429.31	-	-	-	-	-
Gas - CT	-	-	371.23	-	-	337.09	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	370.50	423.60	1,490.07	322.37	337.09	333.77	342.28
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$2,635,964	-	$25,927,554	$6,064,488
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	55,542	-	-	-	97,903	817	486,646	220,457
Gas - CC	-	17,709,847	12,817,351	-	-	-	-	-
Gas - CT	23	-	1,207,863	-	-	4,637,664	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	4,109,473	-	-	-	-
Total	$55,565	$17,709,847	$14,025,214	$4,109,473	$2,733,867	$4,638,481	$26,414,200	6,284,945
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	319.03	-	326.56	323.86
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,583.30	-	-	-	1,584.19	1,571.15	1,574.91	1,547.50
Gas - CC	-	370.50	429.31	-	-	-	-	-
Gas - CT	-	-	371.23	-	-	337.09	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	69.31	-	-	-	-
Weighted Average	1,583.95	370.50	423.60	69.31	328.42	337.13	331.40	333.10
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.18	-	3.51	4.68
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	39.67	-	-	-	20.98	16.34	16.65	22.35
Gas - CC	-	2.69	3.03	-	-	-	-	-
Gas - CT	-	-	3.83	-	-	3.85	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.75	-	-	-	-
Weighted Average	39.69	2.69	3.09	0.75	4.30	3.85	3.56	4.81
Burned MBTU's								
Coal	-	-	-	-	826,256	-	7,939,549	1,872,573
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	3,508	-	-	-	6,180	52	30,900	14,246
Gas - CC	-	4,780,031	2,985,598	-	-	-	-	-
Gas - CT	-	-	325,369	-	-	1,375,805	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,928,704	-	-	-	-
Total	3,508	4,780,031	3,310,967	5,928,704	832,436	1,375,857	7,970,449	1,886,819
Net Generation (mWh)								
Coal	-	-	-	-	63,058	-	738,945	129,671
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	140	-	-	-	467	5	2,923	987
Gas - CC	-	658,432	422,658	-	-	-	-	-
Gas - CT	-	-	31,507	-	-	120,474	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	548,396	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	140	658,432	454,165	548,396	63,525	120,479	741,868	130,658
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$167,523	$18,362
Limestone	-	-	-	-	130,416	-	999,037	315,821
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	4,441	-	281,558	92,442
Urea	-	-	-	-	40,534	-	-	-
Total	-	-	-	-	$175,391	-	$1,448,118	$426,625

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME August 2018
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$28,187,284	$263,312,694
Oil	16,799	-	19,501	37,444	-	25,221	832,531	77,340,424
Gas - CC	-	-	-	-	11,763,187	-	42,290,385	671,742,728
Gas - CT	-	-	139,396	1,452,888	19,796,773	-	27,234,607	140,338,240
Biogas	-	-	-	-	74,454	-	74,454	299,334
Total	16,799	-	$158,897	$1,490,332	$31,559,960	25,221	$98,619,261	$1,153,033,420
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	327.52	322.00
Oil	1,640.53	-	1,809.00	1,822.98	-	1,232.10	1,589.89	1,691.81
Gas - CC	-	-	-	-	334.61	-	374.88	471.27
Gas - CT	-	-	338.00	354.79	332.61	-	336.07	362.62
Biogas	-	-	-	-	2,908.36	-	2,908.36	2,923.18
Weighted Average	1,640.53	-	375.47	362.11	334.05	1,232.10	351.63	430.88
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$34,628,006	$301,704,562
Oil - CC	-	-	-	-	54	-	54	48,009
Oil - Steam/CT	-	15,745	-	1,791	3,607	-	882,508	78,431,026
Gas - CC	-	-	-	-	11,763,187	-	42,290,385	671,742,728
Gas - CT	-	-	139,396	1,452,888	19,796,773	-	27,234,607	140,338,240
Biogas	-	-	-	-	74,454	-	74,454	299,334
Nuclear	9,037,100	-	-	-	-	4,858,403	18,004,976	197,321,367
Total	$9,037,100	$15,745	$139,396	$1,454,679	31,638,075.00	$4,858,403	$123,114,990	$1,389,885,266
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	325.50	318.87
Oil - CC	-	-	-	-	1,800.00	-	1,800.00	1,819.91
Oil - Steam/CT	-	1,667.86	-	1,722.12	1,662.21	-	1,571.67	1,663.66
Gas - CC	-	-	-	-	334.61	-	374.88	471.27
Gas - CT	-	-	338.00	354.79	332.61	-	336.07	362.62
Biogas	-	-	-	-	2,908.36	-	2,908.36	2,923.18
Nuclear	60.93	-	-	-	-	64.95	63.76	64.58
Weighted Average	60.93	1,667.86	338.00	355.13	334.08	64.95	211.09	237.13
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.72	3.49
Oil - CC	-	-	-	-	-	-	-	19.96
Oil - Steam/CT	-	65.60	-	-	18.50	-	20.18	20.63
Gas - CC	-	-	-	-	1.50	-	2.27	3.34
Gas - CT	-	-	4.79	4.42	5.59	-	5.02	4.12
Biogas	-	-	-	-	20.35	-	20.35	22.17
Nuclear	0.65	-	-	-	-	0.67	0.68	0.68
Weighted Average	0.65	65.60	4.79	4.45	2.78	0.67	2.02	2.23
Burned MBTU's								
Coal	-	-	-	-	-	-	10,638,378	94,617,521
Oil - CC	-	-	-	-	3	-	3	2,638
Oil - Steam/CT	-	944	-	104	217	-	56,151	4,714,379
Gas - CC	-	-	-	-	3,515,475	-	11,281,104	142,539,908
Gas - CT	-	-	41,242	409,510	5,951,976	-	8,103,902	38,701,561
Biogas	-	-	-	-	2,560	-	2,560	10,240
Nuclear	14,831,171	-	-	-	-	7,480,590	28,240,465	305,543,271
Total	14,831,171	944	41,242	409,614	9,470,231	7,480,590	58,322,563	586,129,518
Net Generation (mWh)								
Coal	-	-	-	-	-	-	931,675	8,647,527
Oil - CC	-	-	-	-	-	-	-	241
Oil - Steam/CT	-	24	-	(192)	19	-	4,372	380,143
Gas - CC	-	-	-	-	782,027	-	1,863,117	20,084,932
Gas - CT	-	-	2,909	32,905	354,195	-	541,990	3,410,198
Biogas	-	-	-	-	366	-	366	1,350
Nuclear	1,387,369	-	-	-	-	723,583	2,659,348	29,023,193
Hydro (Total System)							60,846	669,386
Solar (Total System)							23,317	246,173
Total	1,387,369	24.00	2,909	32,713	1,136,607	723,583	6,085,031	62,463,143
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$39,232	-	$225,117	$1,779,553
Limestone	-	-	-	-	-	-	1,445,275	10,094,988
Re-emission Chemical	-	-	-	-	-	-	-	142,277
Sorbents	-	-	-	-	-	-	378,440	2,914,181
Urea	-	-	-	-	-	-	40,534	956,794
Total	-	-	-	-	$39,232	-	$2,089,366	$15,887,793

Duke Energy Progress | **Schedule 6**
Fuel & Fuel-related Consumption and Inventory Report | **Page 1 of 3**
August 2018

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	113,180
Tons received during period	-	-	-	-	35,290
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	33,367
Ending balance	-	-	-	-	115,103
MBTUs per ton burned	-	-	-	-	24.76
Cost of ending inventory ($/ton)	-	-	-	-	79.00
Oil Data:					
Beginning balance	597,457	-	2,632,614	78,040	2,525,142
Gallons received during period	-	-	-	22,256	-
Miscellaneous use and adjustments	-	-	-	-	(3,048)
Gallons burned during period	25,061	-	-	22,256	45,332
Ending balance	572,396	-	2,632,614	78,040	2,476,762
Cost of ending inventory ($/gal)	2.22	-	2.80	2.43	2.18
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,653,412	3,235,046	-	1,340,940
MCF burned during period	-	4,653,412	3,235,046	-	1,340,940
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	13,839
Tons received during period	-	-	-	-	1,063
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,147
Ending balance	-	-	-	-	12,755
Cost of ending inventory ($/ton)	-	-	-	-	59.50

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	758,699	239,636	-	-	-
Tons received during period	255,592	49,979	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	314,148	75,596	-	-	-
Ending balance	700,143	214,019	-	-	-
MBTUs per ton burned	25.27	24.77	-	-	-
Cost of ending inventory ($/ton)	82.52	80.22	-	-	-
Oil Data:					
Beginning balance	211,701	273,399	170,008	692,697	11,644,748
Gallons received during period	230,548	81,697	7,419	-	7,812
Miscellaneous use and adjustments	(14,853)	0	-	-	-
Gallons burned during period	223,633	103,589	8,564	6,720	-
Ending balance	203,763	251,507	168,863	685,977	11,652,560
Cost of ending inventory ($/gal)	2.18	2.13	2.43	2.34	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	39,996
MCF burned during period	-	-	-	-	39,996
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	93,464	19,170	-	-	-
Tons received during period	2,293	5,337	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	21,051	5,873	-	-	-
Ending balance	74,706	18,634	-	-	-
Cost of ending inventory ($/ton)	45.16	52.38	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
August 2018

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME August 2018
Coal Data:					
Beginning balance	-	-	-	1,111,515	1,516,178
Tons received during period	-	-	-	340,861	3,232,215
Inventory adjustments	-	-	-	-	24,990
Tons burned during period	-	-	-	423,111	3,744,118
Ending balance	-	-	-	1,029,265	1,029,265
MBTUs per ton burned	-	-	-	25.14	25.27
Cost of ending inventory ($/ton)	-	-	-	81.65	81.65
Oil Data:					
Beginning balance	9,977,255	8,281,461	287,251	37,371,773	38,638,439
Gallons received during period	14,881	-	14,836	379,449	33,126,537
Miscellaneous use and adjustments	-	-	-	(17,901)	(180,309)
Gallons burned during period	751	1,572	-	437,478	34,288,824
Ending balance	9,991,385	8,279,889	302,087	37,295,843	37,295,843
Cost of ending inventory ($/gal)	2.39	2.33	2.43	2.39	2.39
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	400,315	9,252,895	-	18,922,604	176,090,057
MCF burned during period	400,315	9,252,895	-	18,922,604	176,090,057
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	2,501	-	2,501	10,001
MCF burned during period	-	2,501	-	2,501	10,001
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	126,473	124,480
Tons received during period	-	-	-	8,693	207,573
Inventory adjustments	-	-	-	-	14,692
Tons consumed during period	-	-	-	29,071	240,650
Ending balance	-	-	-	106,095	106,095
Cost of ending inventory ($/ton)	-	-	-	48.15	48.15

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

AUGUST 2018

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	35,290	$ 2,691,969	$ 76.28
	ADJUSTMENTS	-	129,245	-
	TOTAL	35,290	2,821,214	79.94
MAYO	SPOT	-	-	-
	CONTRACT	49,979	3,935,619	78.75
	ADJUSTMENTS	-	133,003	-
	TOTAL	49,979	4,068,622	81.41
ROXBORO	SPOT	24,850	2,106,545	84.77
	CONTRACT	230,742	18,443,975	79.93
	ADJUSTMENTS	-	746,928	-
	TOTAL	255,592	21,297,448	83.33
ALL PLANTS	SPOT	24,850	2,106,545	84.77
	CONTRACT	316,011	25,071,562	79.34
	ADJUSTMENTS	-	1,009,177	-
	TOTAL	340,861	$ 28,187,284	$ 82.69

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

AUGUST 2018

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.51	10.40	12,399	2.53
MAYO	8.23	8.91	12,305	2.39
ROXBORO	6.58	8.47	12,718	2.28

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

AUGUST 2018

	BRUNSWICK	DARLINGTON	MAYO	HARRIS
VENDOR	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm, Indigo and Petroleum Traders	Hightowers Petroleum Co.
SPOT/CONTRACT	Contract	Spot	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	7,419	14,881	81,697	14,836
TOTAL DELIVERED COST	$ 16,799	$ 37,444	$ 179,882	$ 25,221
DELIVERED COST/GALLON	$ 2.26	$ 2.52	$ 2.20	$ 1.70
BTU/GALLON	138,000	138,000	138,000	138,000

	ROBINSON	ROXBORO	WAYNE
VENDOR	Hightowers Petroleum Co.	Greensboro Tank Farm, Indigo and Selma Tank Farm	Hightowers Petroleun Co.
SPOT/CONTRACT	Contract	Contract	Spot
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	22,256	230,548	7,812
TOTAL DELIVERED COST	$ 45,760	$ 507,924	$ 19,501
DELIVERED COST/GALLON	$ 2.06	$ 2.20	$ 2.50
BTU/GALLON	138,000	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2017 - August, 2018
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,313,192	938	89.00	89.01
Brunswick 2	7,777,033	932	95.26	95.57
Harris 1	7,337,617	931	90.00	87.14
Robinson 2	6,595,351	741	101.61	97.72

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2017 through August, 2018
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,440,022	224	73.28	80.52
Lee Energy Complex	1B	1,443,113	225	73.11	80.57
Lee Energy Complex	1C	1,464,033	226	73.84	80.59
Lee Energy Complex	ST1	2,846,005	379	85.72	92.81
Lee Energy Complex	Block Total	7,193,173	1,055	77.83	84.95
Richmond County CC	7	1,241,594	189	74.99	82.32
Richmond County CC	8	1,231,456	189	74.38	81.78
Richmond County CC	ST4	1,387,798	175	90.53	90.36
Richmond County CC	9	1,406,424	215	74.56	79.34
Richmond County CC	10	1,428,721	215	75.74	80.62
Richmond County CC	ST5	1,871,787	248	86.16	90.17
Richmond County CC	Block Total	8,567,780	1,232	79.41	84.14
Sutton Energy Complex	1A	1,331,287	224	67.74	75.00
Sutton Energy Complex	1B	1,351,666	224	68.78	75.65
Sutton Energy Complex	ST1	1,642,617	270	69.54	84.41
Sutton Energy Complex	Block Total	4,325,570	718	68.74	78.73

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2017 through August, 2018

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,482,607	746	22.69	87.67
Roxboro 2	1,838,185	673	31.18	78.65
Roxboro 3	2,108,465	698	34.48	80.09
Roxboro 4	1,541,583	711	24.75	52.95

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2017 through August, 2018
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	618,473	192	36.77	87.21
Asheville 2	429,395	192	25.53	80.42
Roxboro 1	695,117	380	20.88	82.99

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
September, 2017 through August, 2018
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	534,804	370	94.05
Blewett CT	240	68	92.45
Darlington CT	169,565	868	70.99
Richmond County CT	2,479,032	928	81.08
Sutton Fast Start CT	232,748	95	92.64
Wayne County CT	305,985	962	97.15
Weatherspoon CT	1,669	164	92.57

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
September, 2017 through August, 2018
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	101,414	27.0	92.30
Marshall	1,958	4.0	15.17
Tillery	148,982	84.0	94.34
Walters	417,032	113.0	99.59

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.